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Substitute for form 1449A/PTO		Complete if known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	633,633
		Filing Date	August 7, 2000
		First Named Inventor	Brown et al.
		Art Unit	2124
		Examiner Name	Chavis
Sheet 1 of 7	Attorney Docket Number	ROYG-1-1001	

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. 1	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code* (if known)			
Go for the list of the patents that are relevant to the project	U28	US-	2,159,417	08/26/1979	Rubincam, David P.	Abstract only  

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
	F04	Japanese	59-228473	06/09/1983		
	F05		EP 0 275 826 A1	07/27/1988	CIBA-GEIGY AG	
	F06		EP 0 442 676 A2	08/21/1991	IBM	
	F07		GB 2 244 896 A	12/11/1991	AG (Patents) Ltd.	
	F08		WO 92/11731	07/09/1992	Eastman Kodak	
	F09		EP 0 281 427 B1	08/05/1992	Pierce et al.	
	F10		EP 508 912 A1	10/14/1992	Info. Telecom	
	F11		WO 93/08654	04/29/1993	Forté Communications	
	F12		EP 0 583 908 A2	02/23/1994	IBM	
	F13		WO 95/07504	03/16/1995	IBM Communications	

Examiner Signature	Chavis, G. P.	Date Considered	3-20-03
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Substitute for form 1448B/PTO		Complete If Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/633,633
		Filing Date	August 7, 2000
		First Named Inventor	Brown, et al.
		Group Art Unit	2124 2762
		Examiner Name	Chen
		Attorney Docket Number	ROYG-1-1001
Sheet	4	of	7

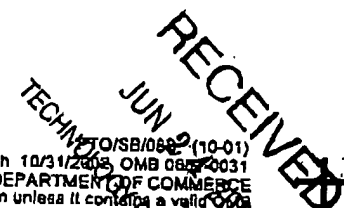
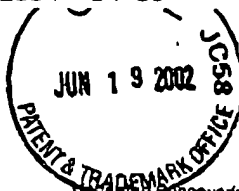
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CP	017	WRIGHT et al.; "Open Architecture Manufacturing: The Impact of Open-System Computers on Self-Sustaining Machinery and Machine Tool Industry"; 7 pages.	
CP	018	ALTINTAS et al.; "Design and Analysis of a Modular CNC System"; pub. 3/4/90; 3 pages; Elsevier Science Publishers; pp. 305-316.	
CP	019	ROBERT ANDERSON; "SMART: A Modular Architecture for Robotics and Teleoperation"; pub. 1993; IEEE; 6 pages; pp. 416-421.	
CP	020	MICROSOFT; "Object Linking and Embedding 2.0 Backgrounder"; pub. 9/93; 15 pages; pp. 1-15.	
CP	021	MICROSOFT; "Microsoft OLE Today and Tomorrow: Technology Overview"; pub. 12/93; 9 pages; pp. 1-9.	
CP	022	PRITSCHOW et al.; "Open System Controllers - A Challenge for the Future of the Machine Tool Industry"; pub 1/14/93; CIRP; 4 pages; pp. 449-452.	
CP	023	WEB 3.0 Product Brochure; Trihedral Engineering Ltd.; pub. 1994; 6 pages.	
CP	024	CHEN et al.; "Computer Numerical Control: Essentials in Programming and Networking"; pub. 1994; Delmar Publishers, Inc.; 28 pages; Part 5, Chapter 27; pp. 824-848.	
CP	025	CHU et al.; "Development of a Practical SFC System for CNC Machine Shop"; pub. 1994; 5 pages; 362-367.	
CP	026	MICROSOFT; "The Microsoft Object Technology Strategy"; pub. 3/94; 33 pages; pp. 1-33.	
CP	027	MICROSOFT; "Open Systems: Technology Leadership and Collaboration"; pub. 3/94; 15 pages; pp. 1-15.	

Examiner Signature	Chen, G. F.	Date Considered	3-20-03
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Substitute for form 1449B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	09/633,633
		Filing Date	August 7, 2000
		First Named Inventor	Brown, et al.
		Group Art Unit	3124-2462
		Examiner Name	Chavis
Sheet 5 of 7	Attorney Docket Number	ROYG-1-1001	

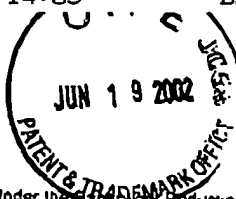
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CP	028	WILLIAM F. FORD; "What is an Open Architecture Robot Controller?"; pub. 8/16/94; IEEE Control Systems Society; 6 pages; pp. 27-32.
CP	029	"Requirements of Open, Modular Architecture Controllers for Applications in the Automotive Industry"; pub. 12/13/94; Version 1.1; 13 pages; pp. 1-13.
CP	030	FEDROWITZ; "IRL-Based Expansion of the Commonly Used High-Level Language for Robot Programming"; pub. 10/95; 5 pages.
CP	031	JOHN JACKMAN; "Robotic Control Using Sequential Function Charts"; pub. 1996; SPIE; 9 pages; pp. 120-128.
CP	032	MCGRAW et al.; "A Friendly Command, Control, and Information System for Astronomy"; pub. 1996; ASP Conference Series; 12 pages; pp. 356-367.
CP	033	PROCTOR et al.; "Validation of Standard Interfaces for Machine Control"; pub. 1996; 6 pages; pp. 659-664.
CP	034	SPERLING et al.; "Enabling Open Control Systems - An Introduction to the OSACA System Platform"; pub. 5/96; 8 pages; pp. 1-8.
CP	035	"NEMI Low Cost Controller Project"; pub. 12/96; NEMI; 392 pages; pp. 1-392.
CP	036	"Technologies Enabling Agile Manufacturing (TEAM) Intelligent Closed Loop Processing"; pub. 1/11/96; 30 pages; pp. 1-30.
CP	037	"Open, Modular Architecture Controls at GM Powertrain - Technology and Implementation"; pub. 5/14/96; Version 1.0; GM Powertrain Group Manufacturing Engineering Controls Council; 39 pages; pp. 1-39.
CP	038	MARCOS et al.; "A New Solution for Integrating Control Devices Involved in Computer Integrated Manufacturing"; pub. 9/2/96; IEE; 6 pages; pp. 485-490.

Examiner Signature	Chavis	Date Considered	3-28-03
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Substitute for form 1449B/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)		Application Number	09/633,833
		Filing Date	August 7, 2002
		First Named Inventor	Brown, et al.
		Group Art Unit	2124-2762
		Examiner Name	Chavis
Sheet 6 of 7	Attorney Docket Number	ROYG-1-1001	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published
CF	039	PROCTOR et al.; "Open-Architecture Controllers"; pub. 6/97; IEEE; 5 pages; pp. 60-64.
CF	040	SZABO et al.; "Validation Results of Specifications for Motion Control Interoperability"; pub. 9/97; 11 pages; pp. 166-176.
CF	041	FENG et al.; "Distributed Control of a Multiple Tethered Mobile Robot System for Highway Maintenance and Construction"; pub. 11/97; 10 pages; pp. 383-392.
CF	042	LUTZ et al.; "OSACA - The Vendor Neutral Control Architecture"; pub. 12/97; 10 pages.
CF	043	SPERLING et al.; "Designing Applications for an OSACA Control"; pub. 11/16/97; 5 pages.
CF	044	CHANG et al.; "Development and Implementation of An Application of an Application Programming Interface for PC/DSP Based Motion Control System"; Pub. 1998; 12 pages; p. 94-105.
CF	045	MORALES et al.; "A Generalised Software Control System for Industrial Robots"; pub. 1998; AMC; 6 pages; pp. 411-416.
CF	046	MUIR et al.; "A Three-Layer Workcell Control Architecture Design"; pub. 5/98; IEEE; 7 pages; pp. 1185-1191.
CF	047	MUIR et al.; "Mechatronic Objects for Real-Time Control Software Development"; pub. 11/98; SPIE; 15 pages; pp. 251-265.
CF	048	LEU et al.; "A Telemanufacturing Workcell Over the Internet"; pub. 11/98; SPIE; 8 pages; pp. 230-237.
CF	049	MICHALOSKI et al.; "A Framework for Component-Based CNC Machines"; pub. 11/98; SPIE; 12 pages; pp. 132-143.

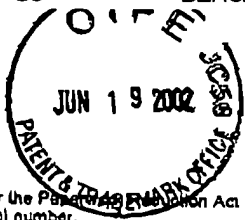
Examiner Signature	Chavis, G. D.	Date Considered	3-20-03
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Substitute for form 1449B/PTO		Complete <del>known</del> <b>known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	02/633,633
		Filing Date	August 2, 2000
		First Named Inventor	Brown et al.
		Group Art Unit	2124 2782
		Examiner Name	Chavis
Sheet 7 of 7	Attorney Docket Number	ROYG-1-1001	

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CJP	050	EMILIO MORALES; "GENESIS: The EC-JRC Generalised Software Control System for Industrial Robots"; pub. 1998; University Press; Volume 26; 7 pages; pp. 26-33.	
CJP	051	MIZUKAWA et al.; "De-Facto Standard API for Open and Networked Industrial Robots"; pub. 10/99; 8 pages; pp. 455-462.	
CJP	052	CHO et al.; "A Compact/Open Network-Based Controller Incorporating Modular Software Architecture for a Humanoid Robot"; pub. 4/19/99; Kluwer; 15 pages; pp. 341-355.	
CJP	053	NILSSON et al.; "Integrated Architecture for Industrial Robot Programming and Control"; pub. 5/20/99; Elsevier Science B.V.; 22 pages; pp. 205-226.	
CJP	054	VALERA et al.; "Interactive On-Line Evaluation of Robot Motion Control"; pub. 8/2/99; IEEE; 5 pages; pp. 1039-1043.	
CJP	055	NATALE et al.; "Robust Hybrid Force / Position Control with Experiments on an Industrial Robot"; pub. 9/19/99; 5 pages; pp. 956-961.	
CJP	056	MIZUKAWA et al.; "ORiN: Open Robot Interface for the Network, A Proposed Standard"; pub. 5/00; MCB University Press; 7 pages; pp. 344-350.	
CJP	057	EROL et al.; "Open System Architecture Modular Tool Kit for Motion and Machine Processing Control"; pub. 9/00; IEEE/ASME; 11 pages; pp. 281-291.	
CJP	058	GE et al.; "A One-Stop Solution in Robotic Control System Design"; pub. 9/00; IEEE; 14 pages; pp. 42-55.	

Examiner Signature	Chavis, G. P.	Date Considered	3-23-03
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